

Appl. No. 09/653,437
Amdt. dated September 30, 2004
Reply to Final Office Action of June 10, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-42 (Cancelled)

43. (Previously presented) A method for identifying a chiral nonracemic liquid crystal material useful in both bistable SSFLC devices and analog devices comprising determining the presence of a deVries smectic A phase in a chiral nonracemic liquid crystal, the presence of the phase being indicative of that the material will exhibit bookshelf geometry and V-shaped switching when introduced into the appropriate FLC device configurations, wherein infrared dichroism measurements are made to determine the presence of the de Vries smectic A phase.
44. (Currently amended) The method of claim 42 43 wherein the chiral nonracemic liquid crystal material is a V-shaped switching material.
45. (Currently amended) The method of claim 42 43 wherein the chiral nonracemic liquid crystal material is an antiferroelectric liquid crystal material.
46. (Currently amended) The method of claim 42 43 wherein the chiral nonracemic liquid crystal material comprises a swallow-tailed liquid crystal.
47. (Currently amended) The method of claim 42 43 wherein the chiral nonracemic liquid crystal material comprises a liquid crystal dimer.
48. (Original) The method of claim 47 wherein the dimer comprises a siloxane group.

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49. (Currently amended) The method of claim 42 43 wherein the chiral nonracemic liquid crystal material exhibits a tilted smectic phase.
50. (Currently amended) The method of claim 42 43 wherein the chiral nonracemic liquid crystal material exhibits a chiral smectic C phase.
51. (Original) The method of claim 49 wherein the chiral nonracemic liquid crystal material exhibits the phase sequence I →SmA →SmC* and the smectic A phase is a de Vries smectic A phase over a useful portion of the SmA phase.
52. (Cancelled)